UNDERSTANDING BY DESIGN LESSON PLAN

Title of Unit: Order of Operations Year Level: Grade VI

Curriculum Area: Mathematics Time Frame: 3 meetings

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| Stage 1: (Identify Desired Result) | |
| Established Goal(s)  The student will define expressions. Translate mathematical phrases to expressions and give the meaning of equation. | |
| Understanding(s):  The student will understand that….   1. Numerical Expression is a combination of numbers and one or more operation symbols. 2. Numerical Expression represents a particular number. For instance, the numerical expression 4 ÷ 20 – 7 simplifies to number 17. 3. Equation is a mathematical statement, in symbols, which states that the two things are the same or equivalent. It is written with an equal sign, as in 4 + 20 – 7 = 17. | Essential Question(s):   * What are the different terms referring to the fundamental operations? * What is a numerical expression? * How to translate mathematical phrases to expressions? * What is the meaning of equation? * How to write a simple equation? |
| Students will know….   * the different terms referring to fundamental operations * the numerical expression * how to translate mathematical phrases to expressions * the equation * how to write simple equation | Students will be able to….   * Recognize the different terms referring to fundamental operations * Write the correct numerical expression * Write simple equation |
| Stage 2 – Assessment Evidence | |
| Performance Task(s):   * List down word or words referring to each operation * Familiarize many different terms referring to the fundamental operations * Translate mathematical phrases to expressions * Write a simple equation | Other Evidence:   * Pretest and posttest * Oral, board work and written response to the essential questions |
| Stage 3 – learning plan | |
| Learning Activities:   * Enumerate the different words that are associated with the fundamental operations. * Ask the students to interpret sample mathematical statements using some of the word clues they enumerated in the previous activity. * Let them write an expression for each mathematical statement. * Let the students describe on how they get the correct answer. | |